

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 59157273
PUBLICATION DATE : 06-09-84

APPLICATION DATE : 25-02-83
APPLICATION NUMBER : 58029218

APPLICANT : KOMATSU LTD;

INVENTOR : SHIRAE HISATOMO;

INT.CL. : C23C 9/12 C23C 11/12 // E02F 9/00

TITLE : MANUFACTURE OF SEAL RING OF FLOATING SEAL

ABSTRACT : PURPOSE: To manufacture a seal ring with superior wear resistance at a low cost by highly carburizing the surface of a seal ring made of martensitic stainless steel.

CONSTITUTION: The seal ring of a floating seal to be attached to the track of a construction machine requires superior resistance to wear due to earth and sand, so the seal ring is made of martensitic stainless steel. The ring is put in a vacuum carburizing furnace, where it is highly carburized to precipitate fine carbides with extremely high hardness such as Cr₇C₃ on the surface of the ring, and the seal face (sliding face) is lapped. A seal ring with superior wear resistance is obtd. at a low cost.

COPYRIGHT: (C)1984,JPO&Japio